

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Taeghwan Hyeon and Jongnam Park

Serial No.: 10/811,504

Group Art Unit: 1754

Filed: March 25, 2004

Examiner: Not Yet Known

Confirmation No.: 8916

Title: **METHOD OF SYNTHESIZING NANORODS BY REACTION OF METAL-SURFACTANT COMPLEXES INJECTED USING A SYRINGE PUMP**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97 (b), or
(Within three months of filing national application; or date of entry of International application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97 (c) together with either a:
☐ Statement under 37 CFR 1.97 (e), or
☐ a \$240 fee under 37 CFR 1.17 (p), or
(After mailing of first Office Action, but prior to Notice of Allowance or Final Office Action)
- ☐ under 37 CFR 1.97 (d) together with either:
☐ Statement under 37 CFR 1.97 (e),
☐ Applicant hereby petitions for the consideration of the accompanying information disclosure statement (37 C.F.R. §1.97(d)(ii).
☐ a \$130.00 petition fee set forth in 37 CFR 1.17 (i)(1).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)


☒ Applicant(s) submit herewith Form PTO 1449- Information Disclosure Citation together with copies of eight referenced articles, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

It is requested that the information disclosed herein be made of record in this application.

Any deficiency or overpayment should be charged or credited to deposit account number 13-1703. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

MARGER JOHNSON & McCOLLOM, P.C.

By 
Hosoon Lee
Limited Recognition Under 37 CFR § 10.9(b)

MARGER JOHNSON & McCOLLOM, P.C.
1030 S.W. Morrison Street
Portland, Oregon 97205
Telephone: (503) 222-3613

PATENT APPLICATION

Atty. Docket No.: 9907-004

Serial No. 10/811,504

Applicant: Taeghwan Hyeon and Jongnam Park

Filing Date: March 25, 2004

Group: 1754

INFORMATION DISCLOSURE CITATION
FORM PTO-1449 (Modified)

U.S. PATENT DOCUMENTS

NONE

FOREIGN PATENT DOCUMENTS

NONE

OTHER DOCUMENTS

Exam Init	Ref	(Including Author, Title, Date, Pertinent Pages, etc.)
_____	_____	Younan Xia, Peidong Yang, Yugang Sun, Yiying Wu, Brian Mayers, Byron Gates, Yadong Yin, Franklin Kim, and Haoquan Yan Advanced Materials, Series 15 No. 5 March 4, 2003; pps. 353-389 One-Dimensional Nanostructures: Synthesis, Characterization, and Applications
_____	_____	Sang-Jae Park, Seungsoo Kim, Suyoun Lee, Zheong G. Khim, Kookrin Char, and Taeghwan Hyeon Journal of the American Chemical Society Published online August 18, 2000 10.1021/ja001628c; pps. 8581-8582 Synthesis and Magnetic Studies of Uniform Iron Nanorods and Nanospheres
_____	_____	Victor F. Puentes, Kannan M. Krishnan, and A. Paul Alivisatos Science Vol. 291 March 16, 2001; pps. 2115-2117 Colloidal Nanocrystal Shape and Size Control: The Case of Cobalt
_____	_____	Frederic Dumestre, Bruno Chaudret, Catherine Amiens, Marie-Claire Fromen, Marie-Jose Casanove, Philippe Renaud, and Peter Zurcher Angew. Chem. Int. Ed., Series 41 No. 22, 2002; pps.42864289 Shape Control of Thermodynamically Stable Cobalt Nanorods through Organometallic Chemistry
_____	_____	Nadege Cordente, Marc Respaud, Francois Senocq, Marie-Jose Casanove, Catherine Amiens, and Bruno Chaudret Journal of the American Chemical Society Published online August 30, 2001 10.1021/nl0100522; pps. 565-568 Synthesis and Magnetic Properties of Nickel Nanorods
_____	_____	Taeghwan Hyeon Chem. Commun., Journal of the Royal Society of Chemistry, 2003, pps. 927-934 Chemical Synthesis of Magnetic Nanoparticles

Taeghwan Hyeon, Su Seong Lee, Jongnam Park, Yunhee Chung, and Hyon
Bin Na
Journal of the American Chemical Society, Vol. 123, No. 51, pps. 12798-
12801
Synthesis of Highly Crystalline and Monodisperse Maghemite
Nanocrystallites without a Size-Selection Process

Jin Joo, Taekyung Yu, Young Woon Kim, Hyun Min Park, Fanxin Wu,
Jin Z. Zhang, and Taeghwan Hyeon
Journal of the American Chemical Society Published online May 1, 2003
10.1021/ja034258b; pps. 6553-6557
Multigram Scale Synthesis and Characterization of Monodisperse
Tetragonal Zirconia Nanocrystals

Examiner: _____

Date Considered: _____